

Work Order ID 81498

March-14-12 4:23:55 PM

81498

Page 1

Item ID: D3290-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Window
 Start Date: 14/03/2012 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 28/03/2012 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 12/03/14 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3290	Rev C								

100 FLOW WATER JET 0.00
100
 Waterjet Memo 0.00
 FLOW CNC Waterjet 1-Cut as per Dwg D3290 Dwg Rev: C Prog Rev: C 2-
 Deburr if necessary

B12-3-24

(9)

110 QC2- Inspect parts off machine FAI/FAIB 0.00
110
 QC Memo 0.00
 Quality Control

B12-3-24

120 QC8- Inspect parts - second check 0.00
120
 QC Memo 0.00
 Quality Control

S.2/3/16

(49)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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N900040100

Setup Start *NS1*

Stop *NS2*

6

6

Run Start *NR1*

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

130		0.00	
130	HAND FINISHING THERMOFORMING		
Thermoform	Memo	0.00	x9
Thermoforming Machine	Without removing protective skinremove sharp edge by degurring.		12/03/1

140		0.00
140	THERMOFORMING MACHINE	
Thermoform	Memo	0.00
Thermoforming Machine	1-THERMOFORM as per Drawing D3290 and Folio FTA001 Dwg. Rev. <u>C</u> Folio Rev <u>B</u> 2-Engrave part# & batch#, (D3290-3)	x9 _____ 17/03/

150	QC2- Inspect parts off machine FAI/FAIB	0.00		
150				
QC	Memo	0.00	x9	Wl
Quality Control				17/03/2

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 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170		0.00							
170	HAND FINISHING THERMOFORMING					x9			Oh
Thermoform	Memo	0.00							12/03/09
Thermoforming Machine	Water sand and buff to remove scratches if required								
180		0.00							
180	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00				(x9)			
Quality Control									
190		0.00							
190	Identify as per dwg & Stock Location: _____								
Packaging	Memo	0.00							
Packaging									

used 8 for work order B81491
 1 for Stores

total of 9

SAD 12-04-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

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Required Date: 28/03/2012 Req'd Qty: 6.00 *6* Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
200	QC21- Final Inspection - Work Order Release	0.00							
200									
QC	Memo	0.00							
Quality Control									

12/4/25 [Signature]
MF
12-04-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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NOTE: Date & initial all entries

Picklist Print

March-14-12 4:24:00 PM

Page 1

Work Order ID: 81498

81498

Parent Item: D3290-3

D3290-3

Parent Item Name: Window

Start Date: 14/03/2012

Required Date: 28/03/2012

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP A04.08.18New issueKJ/RF
IPP B06.05.09Ecn 798 EC IPP Rev.
C Removed QC8 Step 160 11/04/11 DL
IPP C 07.05.29. Thermoform in-house DL
IPP D 07.09.28 rev C dwg EC verified by: DD
IPP E 07.11.28 Add --Hand finish deburring DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MACRLICS.125		Purchased	No			100	sf	154.2634	3	18.94737			
MACRI ICS 125										**		32. B12-3-04	
1/8" Polycast II Sheet													

Location

MAT019

Loc Qty

154.2634

Loc Code

110633

3

117324

0.2467

117431

10.7967

119591

140.22

119591

CG

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FWD
INBOARD

D2126-0780 LOCKING SEAL
(TRIM TO FIT)
D3290-1 WINDOW FRAME
D3290-3 WINDOW

1.10 (TYP)
DIST. FROM FRAME
EDGE TO WINDOW

D2126-0780 LOCKING SEAL
(REF)

ENSURE D3290-3 WINDOW IS INSTALLED
ON CORRECT SIDE OF D3290-1 WINDOW FRAME

SECTION A-A
NTS

D3290-041 REPLACEMENT WINDOW ASSEMBLY

D3290-041 NOTES:
1) WEIGHT: 3.66 LBS

GENERAL NOTES:
1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
2) UNITS: INCHES UNLESS OTHERWISE NOTED

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT

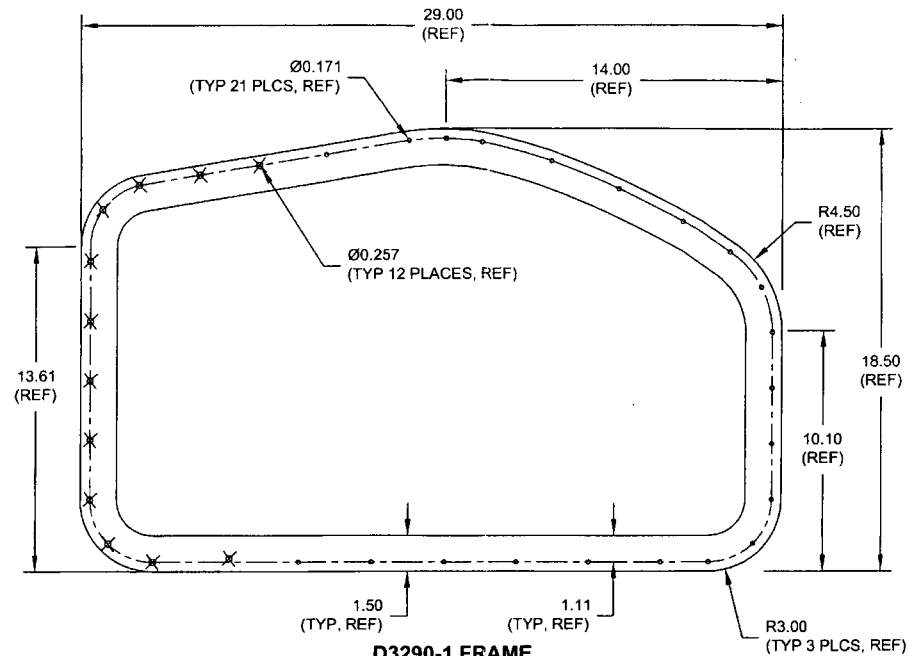
WITHOUT NOTICE
WORK ORDER
NO. 81498 MLG

UNDER REVIEW

12/03/14

THIS 07-05-16

6/10/19



D3290-1 FRAME

D3290-1 NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.040 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.040)
OR
5052-H32 ALUMINUM SHEET 0.040 THICK
PER AMS-QQ-A-250/8 OR AMS 4016
(REF. DART SPEC. M5052H32S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER QSI 005 4.1
POWDER COAT WHITE (REF. 4.5.3.1) PER DART QSI 005 4.3
- 3) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 4) IDENTIFICATION: IDENTIFY WITH DART P/N "D3290-1" USING FINE POINT PERMANENT INK MARKER
- 5) WEIGHT: 0.47 LBS

RELEASED
07.07.24

DEO ATTACHED

C	UPDATE DIMS PER PAR 188	DC	07.07.24
B	UPDATE MATERIAL PER NCR 029	MB	06.04.20
A	NEW ISSUE	RF	04.06.14
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	07.07.24		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3290
TITLE REPLACEMENT WINDOW ASSEMBLY
REV. C
SHEET 1 OF 2
SCALE 1:5

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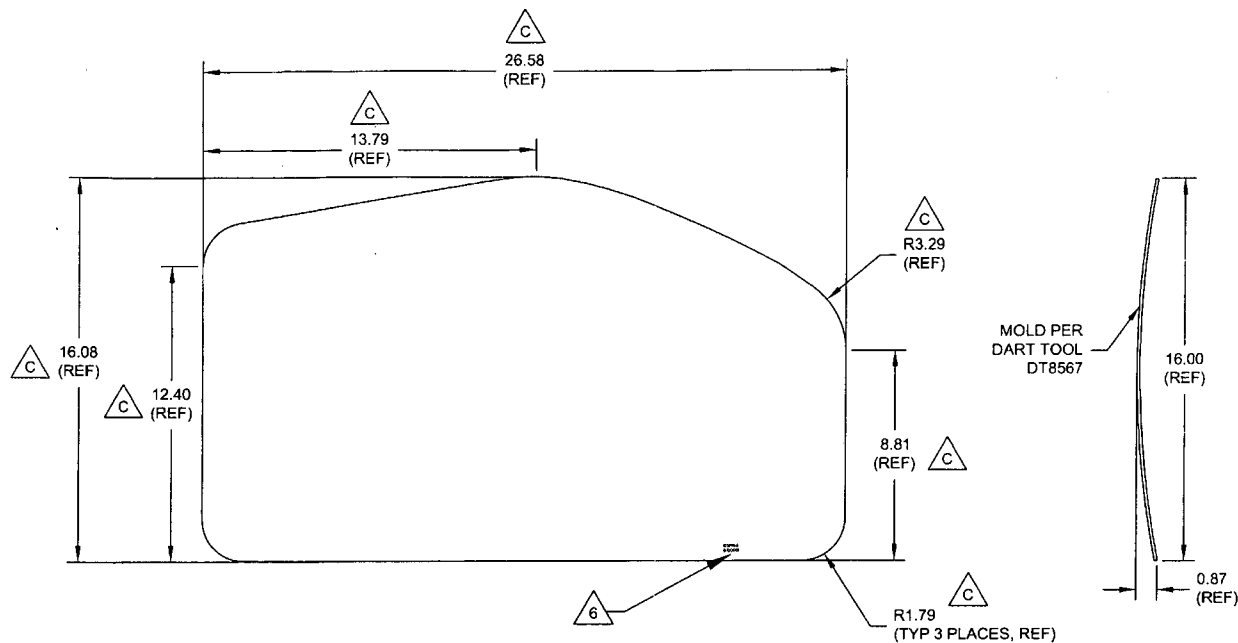
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D3290-3 WINDOW

D3290-3 NOTES:

- 1) MATERIAL: POLYCAST II CLEAR ACRYLIC SHEET PER MIL-P-5425
OR PLEXIGLAS G CLEAR CAST ACRYLIC SHEET PER
LP-391 TYPE 1 GRADE C, 0.125 THICK
(REF. DART SPEC. M-ACRYLIC-S.125)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) REMOVE SHARP EDGES
- 6) IDENTIFICATION: ENGRAVE P/N "D3290-3" AND B/N ON LOWER EDGE
USE 0.125" HIGH LETTERS TO MAXIMUM DEPTH OF 0.005"
- 7) WEIGHT: 1.87 +/- 0.42 LBS
- 8) MOLD PER DART TOOL DT8567

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3290	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		REPLACEMENT WINDOW ASSEMBLY	1:5
DATE	07.07.24	<small>COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

81498

UNDER REVIEW

DEO ATTACHED

RELEASED

07.09.22

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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DRAWING NO. D3290	TITLE REPLACEMENT WINDOW ASSEMBLY	REV. C	DART AEROSPACE LTD ENGINEERING ORDER		D.E.O. NO. D3290-C-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN <i>Q</i>	CHECKED <i>h</i>	MFG. APPR. <i>E</i>	APPROVED <i>MD</i>		DE APPR. <i>h</i>		
DATE 09.09.18	DATE 09.09.18	DATE 09.09.18	DATE 09/09/21		DATE 09/09/21		

PURPOSE:

CHANGE MATERIAL THICKNESS OF D3290-1 FRAME TO 0.063 FROM 0.040. REF PAR 09-033.

E1498

CHANGE:

MATERIAL CALL-OUT OF D3290-1 FRAME ON SHEET 1 IS AMENDED AS FOLLOWS:

D3290-1 NOTES

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET ~~0.040 THICK~~ 0.063 THICK (REPLACE)
 PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
~~(REF. DART SPEC. M6061T6S.040)~~ REF. DART SPEC. M6061T6S.063 (REPLACE)
 OR
 5052-H32 ALUMINUM SHEET ~~0.040 THICK~~ 0.063 THICK (REPLACE)
 PER AMS-QQ-A-250/8 OR AMS 4016
~~(REF. DART SPEC. M5052H32S.040)~~ REF. DART SPEC. M5052H32S.063 (REPLACE)

RELEASED
 2009 -10- 09
MD

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